



# **Catalogue of Publications**

**Tennessee Division of Geology**

State of Tennessee  
Department of Environment and Conservation  
Nashville, TN  
2006



**Tennessee Division of Geology**

# **Catalogue of Publications**

The Division of Geology conducts research on the geology and mineral resources of Tennessee and makes the resulting scientific and technical information available to the public in the maps and publications listed in this pamphlet. Additional information and services are available through conferences and correspondence.

**STATE OF TENNESSEE**  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

**Nashville, Tennessee**  
**2006**

**STATE OF TENNESSEE**

**Phil Bredesen**

*Governor*

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**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

**James H. Fyke**

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**DIVISION OF GEOLOGY**

**Ronald P. Zurawski**

*State Geologist*

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**Registration**—Donna Moulder, Director, Division of Regulatory Boards-Geology Registration Section, Tennessee  
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**Technical Publications**—(615/532-1500)

**Water Resources**—David Draughon, Division of Water Supply, 6th Floor, L&C Tower, 401 Church Street, Nashville, TN 37243-1549 (615/532-0191) (David.Draughon@state.tn.us)

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**Subsurface Geology**—(615/532-1500)

## How To Order Geologic Publications

Except where the supply is exhausted, all publications listed herein may be ordered from the Tennessee Department of Environment and Conservation, Division of Geology, Maps and Publications Sales office, 401 Church Street, 13th floor, Nashville, Tennessee 37243-0445. To call, phone (615) 532-1516, FAX (615)-532-1517. To view our catalogue on the internet, our web address is [www.state.tn.us/environment/tdg/maps&pubs.php](http://www.state.tn.us/environment/tdg/maps&pubs.php) Email—[geology.sales@state.tn.us](mailto:geology.sales@state.tn.us). For geologic questions, please call or email us at: (615) 532-1500 or [ask.geology@state.tn.us](mailto:ask.geology@state.tn.us).

**OUT OF PRINT PUBLICATIONS:** Publications out of print are on file in many of the larger university libraries throughout the nation, at the Tennessee Division of Geology office in Nashville, and in libraries of state geological surveys in other states. The Tennessee Division of Geology's OUT OF PRINT publications are available for viewing at our office during office hours or a xerox/black & white reproduction may be done by interested parties. If unable to come to our office, you may hire someone to do the copying for you. Please call ahead to verify the availability of our original for making copies.

**Suggested copying services:**

Jennifer & Jim Johnson (615) 269-7137

Brief Encounters, Inc. (615) 244-6842 Phone, (615) 244-7004 Fax

Vanderbilt University Geology Dept. Students (Call to Request) (615) 322-2976

**PREPAYMENT ON ALL ORDERS IS REQUIRED.** Checks or money orders should be made payable to the Tennessee Division of Geology. Prices are subject to change without notice. **ALL SALES ARE FINAL.** Any discrepancies created by our office must be reported within 15 days of receipt of order.

**CREDIT CARDS** (VISA, MasterCard, Discover, American Express, and Diners Club) are accepted for in-person, telephone, mail, fax, and e-mail orders. Telephone credit card orders should be limited to five items, orders for more than five items should be faxed, mailed, e-mailed, or presented in person. Our office is not responsible for the security of credit card numbers transmitted by e-mail or fax.

**SALES OFFICE HOURS** are 8 AM to 4 PM CST, Monday through Friday. Office is closed for inventory the last two business days of June and all State Holidays. Please phone ahead for unforeseen closures.

**OIL AND GAS WELL RECORDS:** Typewritten drillers logs and geophysical logs are located in our Oil and Gas Well Room and the hours are 8:00 AM to 4:00 PM, CST, Monday through Friday. They may be reproduced by interested parties or you may hire someone to do the copying for you. Suggested copying services are listed on page v. Please refer to page 9 for our prices.

**SHIPPING INFORMATION:** Prices include mailing costs. Orders are shipped at the most economical rate. Allow 2 to 4 weeks for delivery. For rush orders, you may use UPS or FedEx overnight services and delivery charges can be charged to your credit card, or overnight courier account, if you have one. All overnight orders are to be submitted by 12:00 PM CST in order to guarantee next day delivery.

## DISCOUNTS

### ON ORDERS OF:

\*6 - 11 of same title 10%

\*12 or more of same title 25%

\*Only applies to the following:

TITLE	Retail Price	10% Price	25% Price
Bulletin #64—Caves of Tennessee by Thomas C. Barr	\$17.50	\$15.75	\$13.12
Bulletin #69—Descriptions of Tennessee Caves by Larry E. Matthews	\$10.00	\$9.00	\$7.50
Bulletin #73—Place Names of Tennessee by Ralph O. Fullerton	\$13.00	\$11.70	\$9.75
Bulletin #74—The Geologic History of Tennessee by Robert A. Miller	\$5.00	\$4.50	\$3.75
Bulletin #77—Vertebrate Fossils of Tennessee by James X. Corgan	\$6.50	\$5.85	\$4.87
Bulletin #80—Natural Bridges of Tennessee by James X. Corgan & John T. Parks	\$13.00	\$11.70	\$9.75
Bulletin #83—Tennessee Minerals Annual coordinated by Gregory A. Upham	\$7.50	\$6.75	\$5.62
Bulletin #84—Tennessee's Prehistoric Vertebrates by James X. Corgan and Emanuel Breitburg	\$10.85	\$9.76	\$8.13
Report of Investigations #39—Guide to the Geology along Interstate Highways in Tennessee by Robert Lake Wilson	\$6.50	\$5.85	\$4.87
Report of Investigations #44 Part 1—The Karst Hydrogeology of the Cumberland Plateau Escarpment of Tennessee by Nicholas C. Crawford	\$5.50	\$4.95	\$4.12
Report of Investigations #44 Part 2—The Karst Hydrogeology of the Cumberland Plateau Escarpment of Tennessee by Nicholas C. Crawford	\$5.50	\$4.95	\$4.12
Report of Investigations #44 Part 3—The Karst Hydrogeology of the Cumberland Plateau Escarpment of Tennessee by Nicholas C. Crawford	\$3.50	\$3.15	\$2.62
Report of Investigations #44 Part 4—The Karst Hydrogeology of the Cumberland Plateau Escarpment of Tennessee by Nicholas C. Crawford	\$20.00	\$18.00	\$15.00
State Park Series #1—Geology of Cedars of Lebanon State Park and Forest and Vicinity in Wilson County, Tennessee by C. W. Wilson, Jr.	\$3.50	\$3.15	\$2.62
Physiographic Map of Tennessee (black and white) by Edgar Bingham and Walter L. Helton	\$3.25	\$2.92	\$2.43



Listed below is the wholesale price list of the Mini-History series books (Buddy Brehm's) when you purchase (5) or more books. This equals a 40% discount.

TITLE	RETAIL PRICE	WHOLESALE PRICE
Along the Harpeth	\$ 6.00	\$ 3.60
Archaeological Explorations in TN.	\$ 6.00	\$ 3.60
Arnold Village Site, The	\$ 6.00	\$ 3.60
Battle of Hartsville, The	\$ 6.00	\$ 3.60
Bell Witch or our Family Trouble, The	\$ 6.00	\$ 3.60
Duck River Cache – TN's Greatest Archaeological Find	\$ 6.00	\$ 3.60
Early Trails, The	\$ 4.00	\$ 2.40
Echoes of the Bell Witch in the 20 <sup>th</sup> Century	\$ 6.00	\$ 3.60
Further Contribution to the Study of the Mortuary Customs of the North American Indians, A	\$10.00	\$ 6.00
Ganier Site, The	\$ 3.75	\$ 2.25
General Gates P. Thruston, Archaeologist	\$ 3.25	\$ 1.95
History of the Blind Wolf Pipe and other Tennessee Indian Pipes, The	\$ 4.75	\$ 2.85
History of the Brick Church Pike Mound(40DV39)	\$ 3.75	\$ 2.25
History of the Duck River Cache, The	\$ 6.00	\$ 3.60
It Happened in Nashville, Tennessee	\$ 6.00	\$ 3.60
Narrows of the Harpeth River and Montgomery Bell, The	\$ 3.75	\$ 2.25
Of Hair, Scalps and Skulls	\$ 6.00	\$ 3.60
Port Royal – An Early Tennessee Town	\$ 3.75	\$ 2.25
Store Porch Stories	\$ 5.00	\$ 3.00
Tennessee's Aboriginal Art – The Monolithic Axe	\$10.00	\$ 6.00
Travelers' Rest Site: A Fortified Prehistoric Middle Cumberland Indian Village, The	\$ 5.50	\$ 3.30
West Site: A Stone Box Cemetery in Middle Tennessee, The	\$ 6.00	\$ 3.60

## PUBLIC INFORMATION SERIES

Portable Document Format (PDF) available for download: [www.state.tn.us/environment/tdg/maps&pubs.php](http://www.state.tn.us/environment/tdg/maps&pubs.php)

Public Information Series #1—Subsidence and Sinkholes in East Tennessee—A Field Guide To Holes In The Ground, 9 p., 15 figures, by Martin S. Kohl (1999) (Second Edition 2001). Describes various types of earth subsidence and karst-related features that commonly occur in East Tennessee ..... No charge

Public Information Series #2—How To Pan For Gold, 2 p., 4 figures, by Robin C. Hale (1999). Shows where and why gold occurs, and explains the author's method of panning. For the inexperienced enthusiast ..... No charge

Fossil Hunting in Nashville, brochure prepared for the First Annual Celebration of Earth Science Week, October 11-18, 1998. Fourteen sites in and around Nashville where Ordovician fossils can be collected. Includes line drawings of the more common species. .... No charge

# TENNESSEE DIVISION OF GEOLOGY MAPS AND PUBLICATIONS

## BULLETINS

1. A.	THE ESTABLISHMENT, PURPOSE, SCOPE AND METHODS OF THE STATE GEOLOGICAL SURVEY, 33 p., by Geo. H. Ashley (1910) (SUPPLY LIMITED).....	Out of Print
B.	BIBLIOGRAPHY OF TENNESSEE GEOLOGY, SOILS, DRAINAGE, FORESTRY, ETC., 117 p., by Elizabeth Cockrill (1911).....	Out of Print
2. A.	OUTLINE INTRODUCTION TO THE MINERAL RESOURCES OF TENNESSEE, 65 p., by Geo. H. Ashley (1910).....	Out of Print
B.	Not published.	
C.	Not published.	
D.	THE MARBLES OF TENNESSEE, 33 p., by C.H. Gordon (1911) .....	Out of Print
E.	OIL AND GAS DEVELOPMENTS IN TENNESSEE, 46 p., by M.J. Munn (1911).....	Out of Print
F.	Not published.	
G.	ZINC MINING IN TENNESSEE, 17 p., by S.W. Osgood (1910). (SUPPLY LIMITED).....	\$1.00
3. A.	DRAINAGE PROBLEMS IN TENNESSEE, 10 p., by Geo. H. Ashley (1910).....	Out of Print
B.	PRELIMINARY REPORT UPON THE DRAINAGE OF THE LANDS OVERFLOWED BY THE NORTH AND MIDDLE FORKS OF THE FORKED DEER RIVER AND THE RUTHERFORD FORK OF THE OBION RIVER IN GIBSON COUNTY, TENNESSEE, 26 p., by A.E. Morgan and S.H. McCrory (1910).....	Out of Print
C.	DRAINAGE LAW OF TENNESSEE, 28 p. (1910).....	Out of Print
4.	ADMINISTRATIVE REPORT OF THE STATE GEOLOGICAL SURVEY, 59 p., by Geo. H. Ashley (1911).....	Out of Print
5.	CLAY DEPOSITS OF WEST TENNESSEE, 118 + vii p., by W.A. Nelson (1911).....	Out of Print
6,7,8	Not published.	
9.	PRELIMINARY REPORT OF THE COAL RESOURCES OF THE PIKEVILLE SPECIAL QUADRANGLE OF EASTERN TENNESSEE, 72 p., by W.C. Phalen (1911).....	Out of Print
10. A.	PRELIMINARY STUDY OF FOREST CONDITIONS IN TENNESSEE, 56 p., by R. C. Hall (1910).....	Out of Print
B.	CHESTNUT IN TENNESSEE, 35 p., by W.W. Ashe (1911).....	Out of Print
C.	YELLOW POPLAR IN TENNESSEE, 56 p., by W.W. Ashe (1911).....	Out of Print
11, 12.	Not published.	
13.	THE RESOURCES OF TENNESSEE, 36 p., by G.H. Ashley (1911).....	Out of Print
14.	THE ZINC DEPOSITS OF NORTHEASTERN TENNESSEE, 69 p., by A.H. Purdue (1912).....	Out of Print
15.	ADMINISTRATIVE REPORT OF THE STATE GEOLOGICAL SURVEY, 1912, by A.H. Purdue (1912). (SUPPLY LIMITED).....	\$1.00
16.	THE RED IRON ORES OF EAST TENNESSEE, 173 p., 17 pls. (including 5 maps), 30 figs., E.F. Burchard (1913). Comprehensive report on distribution, stratigraphy, and structure of mines and prospects, diagrams, sections, analyses, note on mining and iron industry, etc.....	\$2.50
17.	THE WATER POWER OF TENNESSEE (including a report on Doe River by A.H. Horton), 139 p., J.A. Switzer (1914).....	Out of Print
18.	ADMINISTRATIVE REPORT OF THE STATE GEOLOGIST, 1914, 17 p., by A.H. Purdue (1914). (SUPPLY LIMITED).....	\$1.00
19.	ELEVATIONS IN TENNESSEE, 80 p., by Elizabeth Cockrill (1917).....	Out of Print
20.	THE LARGER UNDEVELOPED WATER-POWERS OF TENNESSEE, 35 p., by J.A. Switzer (1918).....	Out of Print
21.	STRATIGRAPHY AND CORRELATION OF THE DEVONIAN OF WESTERN TENNESSEE, 127 p., 4 pls., 11 figs., C.O. Dunbar (1919). Detailed geologic sections, fossil plates, faunal charts, etc.....	Out of Print
22.	GEOLOGY AND NATURAL RESOURCES OF RUTHERFORD COUNTY, Tennessee, 81 p., 3 pls., map, J.J. Galloway (1919). Physiography, stratigraphy, structure, geologic history, economic products.....	Out of Print
23.	ADMINISTRATIVE REPORT OF THE STATE GEOLOGIST, 1919, 70 p., by W.A. Nelson (1920).....	Out of Print
24-pt.1	Not published.	
24-2A.	GEOLOGY AND OIL POSSIBILITIES OF THE NORTHERN PART OF OVERTON COUNTY, TENNESSEE, AND ADJOINING PARTS OF CLAY, PICKETT, AND FENTRESS COUNTIES, 45 p., 3 pls., 4 figs., Chas. Butts (1919). Stratigraphy, structural conditions; structure map; table of wells and oil horizons. (See Bull. No. 47).....	Out of Print
24-2B.	OIL AND GAS RESOURCES OF THE NORTHERN PART OF SUMNER COUNTY, TENNESSEE, 39 p., 1 pl. (map), 1 fig., K.F. Mather (1920). Stratigraphy, structural conditions; correlation with KY sands; recommendations; logs.....	Out of Print
25.	ADMINISTRATIVE REPORT OF THE STATE GEOLOGIST, 1920, 66 p., by W.A. Nelson (1921).....	Out of Print
26.	MINERAL RESOURCES OF THE WAYNESBORO QUADRANGLE, TENNESSEE, 171 p., 16 pls. (including geologic map), 7 figs., by H.H. Miser (1921). Largely on brown iron ores; analyses; areal geology.....	\$2.00
27.	ADMINISTRATIVE REPORT OF THE STATE GEOLOGIST, 1921-1922, 45 p., by W.A. Nelson (1923).....	Out of Print
28.	MARBLE DEPOSITS OF EAST TENNESSEE (3 parts), 264 p., (1924); Part I-History, Occurrence, and Distribution, 86 p., 10 pls., 13 figs., C.H. Gordon; Part II-Constitution and Adaptation of Holston Marble, 76 p., 15 pls., 16 figs., T.N. Dale; Part III-Technology of Marble Quarrying. 102 p., 16 pls., 29 figs., Oliver Boles.....	Out of Print
29.	MAGNETIC IRON ORES OF EAST TENNESSEE AND WESTERN NORTH CAROLINA, 252 p., 23 pls., 28 figs., W.S. Bayley (1923). Ores in Carter County, TN, and Ashe, Avery, Guilford Counties, NC, Cranberry district, analyses, map, etc.....	Out of Print
30.	A STUDY OF SOME OF THE SMALLER UNDEVELOPED WATER POWERS OF TENNESSEE, 24 p., 36 pls., J.A. Switzer (1923). Preliminary survey of small power sites.....	\$1.00
31.	ZINC DEPOSITS OF EAST TENNESSEE, 165 p., 24 pls. (including geologic map), 14 figs., map, M.H. Secrist (1924). Detailed report on mines and prospects by districts, discusses genesis, occurrences, mining, milling, etc.; analyses, flotation tests, geologic section, photomicrographs, etc.....	Out of Print
32.	Not published.	
33. A.	THE SOUTHERN TENNESSEE COAL FIELD, 239 + xvi p., 8 pls., 12 figs., W.A. Nelson (1925). Descriptions and analyses of coals by counties (Cumberland and south).....	Out of Print
B.	THE NORTHERN TENNESSEE COAL FIELD, 478 + xvi p., 13 pls., 28 figs., L.C. Glenn (1925). Descriptions and analyses of coals by counties (north of Cumberland).....	Out of Print
C.	THE COALS AND GEOLOGY OF THE HERBERT DOMAIN, 54 + vi p., 4 pls., 28 figs., W.A. Nelson (1925). History of acquisition, descriptions, and analyses of coals, developments.....	Out of Print
D.	GEOLOGY AND MINERAL RESOURCES OF THE CROSSVILLE QUADRANGLE, TENNESSEE, 41 + vi p., 12 pls., 1 fig., Charles Butts and W.A. Nelson (1925). Largely on coals; notes on structural conditions and oil possibilities.....	Out of Print
E.	COAL LOSSES OF TENNESSEE, 36 + v p., 2 figs., J.J. Forbes (1925). Methods and causes of losses at 47 mines. (SUPPLY LIMITED).....	\$1.00
34.	WATER RESOURCES OF TENNESSEE, 909 + xvi p., 31 pls., 6 figs., W.R. King (1925).....	Out of Print
35.	ADMINISTRATIVE REPORT OF THE STATE GEOLOGIST, 1923-1924, 50 + vi p., by W.A. Nelson (1925).....	Out of Print
36.	THE VALLEY OF EAST TENNESSEE: The Adjustment of Industry to Natural Environment, 116 + xii p., 37 pls., 28 figs., E.C. Case (1925). Study of effect of mineral resources, soil, climate, etc., on industrial development of this region.....	\$1.00
37.	GEOLOGY AND MINERAL RESOURCES OF HARDIN COUNTY, TENNESSEE, 118 p., 9 pls. (including geologic map), 3 figs., W.B. Jewell (1931). Location, development, topography, geology, structure, water power, economic resources, analyses.....	Out of Print
38.	THE STRATIGRAPHY OF THE CENTRAL BASIN OF TENNESSEE, 268 + x p., 49 pls., 4 figs., 4 maps, R.S. Bassler (1932).....	Out of Print
39.	THE BROWN IRON ORES OF THE WESTERN HIGHLAND RIM, TENNESSEE, 227 + xiv p. and index, 33 pls., 21 figs., E.F. Burchard (1934). History, geology, composition, and origin of ores; descriptions of mines and prospects by counties, analyses, flow-sheets, etc.....	Out of Print
40.	SURFACE WATERS OF TENNESSEE, 165 + xii p., 29 tables, 21 pls., 35 figs., W.R. King (1931). Summary of water resources investigations, 1920-1930; stream flow records of principle rivers by weekly averages; flood records; power sites, etc. (SUPPLY LIMITED).....	\$1.00
41.	A PRELIMINARY REPORT ON THE FORAMINIFERA OF TENNESSEE, 113 p. plus index, 13 pls., J.A. Cushman (1931). Reprinted 2001. Descriptions and plates of Cretaceous species.....	\$5.00
42.	PRELIMINARY REPORT OF THE ARTESIAN WATER SUPPLY OF MEMPHIS, TENNESSEE, 34 + iv p., by F.G. Wells (1931).....	Out of Print
43.	GROUND WATER OF NORTH-CENTRAL TENNESSEE, 238 +viii p., by A.M. Piper (1932). Reprinted (1993). Physiography, stratigraphy, and geologic structure of northern two-thirds of Nashville Basin and northwestern Highland Rim areas and their relations to ground water conditions; summary descriptions of conditions in each county, with tables of data of typical wells and springs. Same as U. S. Geological Survey Water-Supply Paper 640.....	\$8.35

44. GROUND WATER RESOURCES OF WESTERN TENNESSEE, 319 + vii p., 16 pls., 18 figs., F.G.Wells (1933). Similar in scope to Bull. No. 43. Covers area west of Tennessee River. Ground-water resources of each county summarized with tables of data on flow, depth, water-bearing horizons, etc., logs of typical wells, and water analyses; colored geologic map. Same as U.S. Geol. Survey Water-Supply Paper 656. (Not published in State series). ..... Out of Print
45. GEOLOGY AND OIL AND GAS RESOURCES OF GAINESBORO QUADRANGLE, TENNESSEE, by Ralph G. Lusk (1935). ..... Out of Print
46. GROUND WATER OF SOUTH-CENTRAL TENNESSEE, 182 + v p., 7 pls., 2 figs., C.V. Theis (1936). Companion volume to Bulls. 43 and 44. Covers southern part of Western Highland Rim and Central Basin. Same as U.S. Geol. Survey Water-Supply Paper 677. (Not published in State series). ..... Out of Print
47. GEOLOGY AND PETROLEUM RESOURCES OF CLAY COUNTY, TENNESSEE, 188 + vii p., 15 pls., 7 tables, Kendall E. Born and H.B. Burwell (1939). First detailed report on an area that has produced from the Ordovician for nearly 75 years. Areal geology, stratigraphy, subsurface geology, structure, and oil developments. .... Out of Print
48. THE PHOSPHATE RESOURCES OF TENNESSEE, 444 + xii p., 14 pls., 7 figs., 13 tables, R.W. Smith and G.I. Whitlatch (1940). First detailed description of brown and blue phosphates, with extensive reprinting of earlier data on white phosphate. Physiography, areal geologic map, and fossil plates; stratigraphy, description of mining industry, and phosphate deposits by districts; reserve estimates, future of industry .....\$3.00
49. THE CLAYS OF WEST TENNESSEE, 368 + vii p., 10 pls., 16 figs., 38 tables, G.I. Whitlatch (1940), in cooperation with T.V.A. Minerals Research Div. Detailed report on the clay mining and manufacturing industries and undeveloped clays of the area, with accompanying ceramic and chemical data. Stratigraphy, formation, and properties of clays; general technology of clay industries, clay mines, clay working plants, undeveloped deposits by geologic formation and counties; location map of mines; outcrops, etc. .... Out of Print
50. MANGANESE RESOURCES OF EAST TENNESSEE, 208 + xv p. and index, 14 pls., 47 figs., 3 tables, Stanley O. Reichert, edited by Geo. I. Whitlatch (1942). Includes partial reprinting of U.S. Geological Survey Bulletin No. 737. Geology and modes of occurrence of the manganese deposits; prospecting, mining, and milling; description of mines and prospects. (See Bulletin No. 52) .....\$3.00
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## JOURNAL PUBLICATIONS

A PALEOAQUIFER AND ITS RELATION TO ECONOMIC MINERAL DEPOSITS: THE LOWER ORDOVICIAN KINGSPOUT FORMATION AND MASCOT DOLOMITE-A Symposium; Economic Geology, Geology, v. 66, no. 5, Aug. 1971. A symposium of 14 papers.....	Out of Print
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## OIL AND GAS CHARTS

Chart 1.	OIL AND GAS IN MIDDLE TENNESSEE, size 27x30 inches, by Kendall E. Born (1943). Generalized map (scale 1 inch=15 miles) showing locations of pools by physiographic provinces, columnar section showing stratigraphic position of producing horizons, tables of oil and gas data by pools, and a brief history of development.....	Out of Print
Chart 2.	OIL AND GAS IN NORTHERN CUMBERLAND PLATEAU, TENNESSEE, by Kendall E. Born and William N. Lockwood (1945).....	Out of Print
Chart 3.	SUBSURFACE STRATIGRAPHY AND STRUCTURE OF STONES RIVER ROCKS IN NORTHEAST CENTRAL TENNESSEE, size 27.5 x 30 inches, by J.B. Collins and R. Bentall (1945). Prepared in cooperation with U.S. Geological Survey. Discussion of Stones River strata, with columnar stratigraphic sections and a structural map (scale 1 inch=6 miles) on top of the Carters Limestone.....	\$2.00
Chart 4.	SUBSURFACE STRATIGRAPHY AND STRUCTURE OF THE PRE-TRENTON ORDOVICIAN AND THE UPPER CAMBRIAN ROCKS OF CENTRAL TENNESSEE, size 36x55 inches (each sheet), by Ray Bentall and Jack B. Collins (1945). Prepared in cooperation with U.S. Geological Survey. Discussion of the Stones River and Upper Cambrian (Knox dolomite group) strata. Lines of columnar stratigraphic sections, structural contour maps (scale 1 inch = 16 miles; contour interval 100 feet) on top of the Carters Limestone and on top of rocks of Beekmantown age; isopach maps (scale 1 inch = 16 miles; isopach interval 50 feet) of the Stones River group, Wells Creek dolomite, and combined Stones River and Wells Creek strata; correlation chart and table of subsurface and oil and gas data from wells drilled into rocks of Beekmantown age. Set of two sheets.....	Out of Print



Chart 5. INSOLUBLE-RESIDUE ZONES OF THE UPPER KNOX GROUP IN TENNESSEE, size 26x30 inches, by Thomas R. Pierce (1957). Includes 7 columnar stratigraphic sections from Thorn Hill, Grainger County to Smith County. Text gives descriptions of insoluble-residue zones used in correlation.....\$2.00

Chart 6. OIL AND GAS SEISMIC INVESTIGATIONS, Series 1, two sheets approximately 34 x 50 and 41 x 54 inches by Robert C. Milici, Leonard D. Harris, and Anthony T. Statler (1979). An interpretation of seismic cross sections in the Valley and Ridge of Eastern Tennessee. Data useful in assessing hydrocarbonate potential of this area. Charts complement the report by Tegland (See Bull 78, TDG).....\$6.50

## OIL AND GAS MAPS

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## GEOLOGIC FOLIOS

**PENNSYLVANIAN GEOLOGY OF THE CUMBERLAND PLATEAU**, 15 pls., 21 p., size 12x26 inches, by C.W. Wilson, Jr., J.W. Jewell, and E.T. Luther (1956). Detailed stratigraphy, structure, and economic geology. Illustrations include 7 reference stratigraphic sections; a composite stratigraphic section; 4 colored geologic maps of the area, scale 1 inch = 3 miles; isopach and sand-distribution maps; structural features and structure contour maps. .... Out of Print

**PENNSYLVANIAN GEOLOGY OF THE CLARKRANGE, OBEY CITY, CAMPBELL JUNCTION AND ISOLINE QUADRANGLES**, 4 figs., 10 pls., 13 p., size 21x26 inches, by C.W. Wilson, Jr. (1956). Deals mostly with stratigraphic and economic geology of a 260-square mile area in the northwestern part of the Cumberland Plateau. Illustrations include measured stratigraphic sections; 4 black-and-white geologic maps of the area, scale 1:31,680 (1 inch = 1/2 mile); structure contour map, and map showing areas of commercial coal..... Out of Print

## GUIDEBOOKS

**GUIDEBOOK FOR FIELD TRIPS, SOUTHEASTERN SECTION GEOLOGICAL SOCIETY OF AMERICA, NASHVILLE, TENNESSEE, APRIL 7-10, 1965**; Charles W. Wilson, Jr., Field Trip Chairman. Composite guidebook for three field trips-Field Trip 1: Geologic Structures in Northern Sequatchie Valley and Adjacent Portions of the Cumberland Plateau, Tennessee; Field Trip 2: Selected Features of the Wells Creek Basin Cryptexplosive Structure; Field Trip 3: Ordovician of Central Tennessee..... Out of Print

See BULLETIN 70, page 6.

See REPORT OF INVESTIGATIONS 33.

See REPORT OF INVESTIGATIONS 36.

**GEOLOGY ALONG INTERSTATE 40 THROUGH PIGEON RIVER GORGE, TENNESSEE-NORTH CAROLINA**, Tennessee Academy of Science Geology-Geography Section, and Safford Centennial Society Spring Field Trip, 1974, 19p., 3 figs. .... Out of Print

**FIELD GUIDE TO THE GEOLOGY OF FALLS CREEK FALLS**, 4-page folder, Michael L. Jones, 1977. Useful to environmentalists, geologists, tourists, and others. .... Out of Print

See Report of Investigations 37.

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MAP OF PIKEVILLE SPECIAL QUADRANGLE SHOWING OUTCROP OF COAL BEDS, MINES, AND PROSPECTS, by Wm. C. Phalen. (Companion map to Resources of Tennessee, Vol. 1, No. 4, 1911.) Shows outcrop of Nelson, Angel, Richland, and Morgan Springs coals. Scale 1 inch = 1 mile, size 19x24 inches..... Out of Print

GEOLOGIC MAP OF WESTERN TENNESSEE ..... Out of Print

GEOLOGIC MAP OF CENTRAL TENNESSEE, by C.W. Wilson, Jr. .... Out of Print

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## GEOLOGIC MAPPING INDEX

Index shows printed geologic maps, out-of-print maps, maps being prepared for publication, and unpublished maps for which information is available. Information regarding total intensity magnetic maps and other detailed maps by the Tennessee Division of Geology and the United States Geological Survey is included. Information current as of November, 1990 ..... Free

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Burns (1964)	Dibrell (1968)	Hartsville (1972)	Littlelot (1967)
Burrstown (1989)	Dickson (1964)	Hebron (1968)	Livingston (1965)
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Monterey Lake (1969)	Pleasantville (1988)	Spot (1983)	Westmoreland (1973)
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\* Published by N.C. Geological Survey  
\*\* Scale 1:31,680 No MRS Booklet  
XC Xerox Copy

## TOPOGRAPHIC MAPS INDEX

Topographic maps are available for most areas in Tennessee. As an active topographic mapping program is being pursued in Tennessee, a revised index is issued at intervals.

An index showing available coverage on scale of 1:24,000 is generally available ..... Free

Also an index available by county at: <http://www.state.tn.us/environment/tdg/county/>

## TOPOGRAPHIC QUADRANGLE MAPS

SCALE: 1:24,000 (1 inch = 2,000 feet). Size approximately 22x27 inches. Contour interval variable, depending on topography. Topo maps last revised on date indicated. Most modern, detailed maps available. Each.....\$6.00

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Normandy 79-NE (1983)

Normandy Lake 86-NW (1976)

Norris 137-NE (1990)

Northeast Memphis 409-NW (1993)

Northwest Memphis 404-NE (1997)

Oak Grove KY-TN 301-NW (1982)

Oak Hill 308-SE (1997)

Oakland 416-NE (1983)

Obey City 108-NW (1974)

Obion 427-SW (1983)

Okalona 330-SE (1979)

Olive Branch MS-TN 410-NE (1982)

Olivehill 23-SE (1972)

Oneida North 336-SE (1979)

Oneida South 128-A-NE (1988)

Ooltewah 112-SE (1976)

Open Lake 413-SW (1983)

Orlinda 309-SW (1980)

Orme 94-SE (1974)

Osage 8-SW (1985)

Osceola AR-TN 407-NW (1983)

Oswald Dome 126-NE (1967)

Ovilla 42-SE (1976)

Ozone 117-NE (1989)

Paint Rock 182-NW (1991)

Pall Mall 335-SW (1986)

Palmer 99-SE (1983)

Palmer Shelter 10-NW (1973)

Palmerstown 443-NE (1985)

Palmyra 302-NW (1983)

Paris 8-SE (1985)

Paris Landing 19-NE (1971)

Parksville 126-SW (1966)

Parrottsville 172-SE (1971)

Parsons 22-NW (1986)

Pattie Gap 124-NE (1990)

Pecan Point 403-NE (1970)

Pennine 118-NW (1990)

Perryville 22-SE (1986)

Petersburg 72-SW (1980)

Petroleum KY-TN 316-NW (1994)

Petros 129-SW (1979)

Philadelphia 131-NW (1974)

Pickwick 24-SW (1972)

Pigeon Forge 156-SE (1970)

Pikeville 110-SW (1977)

Pillowville 444-NW (1985)

Pilot Mountain 122-NW (1980)

Pine View 32-NW (1973)

Pioneer 128-NE (1979)

Pitcher Ridge 87-SE (1982)

Pittsburg Landing 13-NE (1972)

Pleasant Hill MS-TN 410-NW (1982)

Pleasant Hill 109-NW (1976)

Pleasant Shade 321-NW (1968)

Pleasant View 304-NE (1983)

Pleasantville 41-NW (1968)

Plum Grove 179-SE (1991)

Pocahontas 440-SE (1950)

Point Pleasant MO-TN-KY 411-NE (1982)

Pope 32-SW (1973)

Poplar Creek 19-SE (1973)

Portland 309-SE (1980)

Powder Springs 154-SW (1988)

Powell 137-SE (1976)

Prices Mill KY-TN 309-NW (1951)

Primm Springs 56-SW (1979)

Pulaski 59-NE (1984)

Purdy 4-NE (1984)

Puryear 8-NE (1985)

Rafter 140-NW (1984)

Rally Hill 64-NE (1981)

Rankin 172-SW (1980)

Ransom Stand 34-SW (1975)

Readyville 319-SW (1974)

Reagan 11-SE (1986)

Red Boiling Springs 320-SE (1968)

Riceville 125-NW (1990)

Richardson Cove 164-SW (1940)

Ridgely 419-SW (1981)

Ringgold GA-TN 113-NE (1983)

Ripley North 413-SE (1972)

Ripley South 414-NE (1983)

Riverside 42-NE (1968)

Riverton 334-NE (1956)

Rives 427-SE (1980)

Roaring Spring KY-TN 300-NW (1982)

Robbins 128-A-SE (1980)

Rockport 21-NE (1987)

Rockvale 70-SE (1957)

Rockwood 123-SW (1980)

Roddy 117-SE (1973)

Rosa 406-SE (1983)

Rose Creek 4-NW (1980)

Rossville 416-SE (1973)

Rover 71-NE (1981)

Rugby 128-A-SW (1980)

Rushing Creek KY-TN 18-NE (1971)

Ruskin 39-NE (1973)

Russellville 171-SW (1976)

Rutherford 436-NW (1985)

Salem AL-TN 60-NE (1966)

Samburg 419-NE (1981)

Sampson 103-NE (1974)

Sams Gap NC-TN 191-NE (1978)

Sandy Hook 58-NW (1985)

Sango 303-SW (1984)

Sardis 12-NE (1972)

Saulsberry 432-SE (1980)

Savage Point 104-NW (1991)

Savannah 24-NW (1991)

Scotts Hill 22-SW (1986)

Scottsboro 308-NW (1997)

Sequatchie 100-SE (1982)  
 Seventeen Creek 21-NW (1986)  
 Sewanee 94-NW (1974)  
 Shady Grove 164-NW (1980)  
 Shady Valley 213-SW (1970)  
 Sharp Place 335-SE (2000)  
 Shelbyville 79-NW (1981)  
 Sherwood NC-TN 214-SE (1994)  
 Shooks Gap 147-NE (1987)  
 Shop Spring 318-NW (1994)  
 Short Mountain 323-SW (1960)  
 Silers Bald NC-TN 157-SE (1964)  
 Silerton 439-SE (1961)  
 Silver Point 326-SW (1979)  
 Sinking Cove 94-SW (1982)  
 Slayden 302-SW (1983)  
 Slayden MS-TN 425-NW (1975)  
 Sligo Bridge 327-NW (1986)  
 Smartt Mountain 103-SW (1992)  
 Smithville 323-NE (1979)  
 Smyrna 70-NE (1998)  
 Sneedville 170-SW (1969)  
 Snow Hill 112-NE (1980)  
 Soddy 111-SW (1972)  
 Somerville 424-NE (1965)  
 South Cleveland 120-NW (1974)  
 South Pittsburg 100-SW (1983)  
 Southeast Memphis 409-SW (1997)  
 Southwest Memphis 404-SE (1993)  
 Sparta 332-NW (1979)  
 Spencer 103-NW (1974)  
 Spot 40-NE (1968)  
 Spring City 118-NE (1990)  
 Spring Creek 445-SW (1983)  
 Spring Hill 63-SW (1979)  
 Springfield North 306-SW (1983)  
 Springfield South 307-NW (1983)  
 Springvale 172-NW (1980)  
 St. Joseph 43-SE (1976)  
 Standing Rock 29-NW (1986)

Stanley MO-TN 411-SW (1971)  
 Stanton 423-NW (1983)  
 Stantonville 13-NW (1992)  
 Stewart 29-SE (1973)  
 Stockton 115-NE (1984)  
 Stony Point 180-NE (1971)  
 Sugar Tree 21-SE (1986)  
 Sullivan Gardens 189-NE (1971)  
 Summertown 51-NE (1976)  
 Sunnyhill 430-SW (1983)  
 Sunrise 50-NW (1979)  
 Swan Island 162-NE (1971)  
 Sweetwater 131-SW (1989)  
 Taft 73-SW (1982)  
 Talbott 163-NW (1980)  
 Tallassee 139-SE (1985)  
 Tapoco 149-NW (2000)  
 Tarpley 66-NW (1982)  
 Tatumville 428-SW (1981)  
 Tazewell 154-NE (1971)  
 Teague 439-NW (1981)  
 Telford 190-NE (1971)  
 Tellico Plains 132-SE (2003)  
 Ten Mile 124-NW (1990)  
 Tennemo 412-NE (1983)  
 Tennessee City 39-SE (1973)  
 Tennga 127-NW (1968)  
 Texas Hollow 49-NW (1968)  
 Tharpe 28-SW (1980)  
 Theta 56-SE (1979)  
 Three Churches 34-NE (1975)  
 Thunderhead Mtn. NC-TN 157-SW (1964)  
 Thurman 23-NW (1972)  
 Tibbs 422-NE (1981)  
 Tiptonville 419-NW (1981)  
 Toney AL-TN 74-NW (1975)  
 Topsy 42-NW (1968)  
 Tracy City 99-SW (1983)  
 Tranquillity 124-SW (1990)  
 Trenton KY-TN 301-NE (1974)

Trenton 437-NW (1981)  
 Trezevant East 444-SE (1985)  
 Trezevant West 444-SW (1985)  
 Trimble 428-NW (1983)  
 Tullahoma 86-SW (1982)  
 Turners Station 312-SE (1979)  
 Turnpike 422-SW (1981)  
 Twin Bridges 116-NE (1980)  
 Unaka NC-TN 141-NW (1978)  
 Unicoi 199-NE (1978)  
 Union City 427-NE (1980)  
 Union Hill AL-TN 60-NW (1951)  
 Union Hill TN-KY 324-SW (1968)  
 Unionville 71-SE (1981)

Vale 9-SE (1985)  
 Vandever 109-SE (1988)  
 Vanleer 48-NW (1983)  
 Verona 64-SE (1980)  
 Vine 314-SE (1994)  
 Viola 92-SE (1985)  
 Vonore 139-SW (2003)

Walden Creek 156-SW (1987)  
 Walnut MS-TN 441-NW (1982)  
 Waltherhill 315-NW (1998)  
 Wartrace 78-SE (1980)  
 Watauga Dam 207-SE (1960)  
 Water Valley KY-TN 434-SE (1969)  
 Watertown 318-SW (1994)  
 Waterville 173-SE (2003)  
 Wauhatchie 105-SW (1970)  
 Waverly 30-SE (1987)  
 Waynesboro 33-SE (1968)  
 Waynesboro East 42-SW (1992)  
 Wear Cove 157-NW (1974)  
 Webbs Jungle 78-NE (1980)  
 Welchland 328-NE (1985)  
 Well Spring 145-NW (1980)  
 West Memphis AR-TN 404-NW (1993)

West Point 43-NE (1976)  
 West Sandy Dike 19-SW (1965)  
 Westmoreland 316-SW (1979)  
 Westover 438-SW (1980)  
 Wheeler 153-SE (1978)  
 White Bluff 305-SW (1983)  
 White City 100-NW (1974)  
 White Hollow 145-SW (1986)  
 White House 310-NW (1974)  
 White Pine 163-SE (1961)  
 White Rocks Mtn. 208-NE (1994)  
 Whiteoak Flats 140-NE (1978)  
 Whites Creek 307-SE (1994)  
 Whiteville 431-SW (1981)  
 Whitfield 40-SE (1968)  
 Whitleyville 325-NW (1979)  
 Whitten 43-SW (1975)  
 Whitwell 100-NE (1982)  
 Wilder 334-SE (1979)  
 Wildwood 147-SE (1988)  
 Willette 321-NE (1968)  
 Williamsport 57-NW (1988)  
 Wilson 402-SE (1983)  
 Winchester 87-NE (1971)  
 Windle 330-SW (1979)  
 Windrock 129-SE (2000)  
 Winfield 337-SW (1982)  
 Wolf Pit Ridge 24-NE (1972)  
 Woodbury 319-SE (1979)  
 Woodlawn 300-SE (1980)  
 Woolworth 39-NW (1973)  
 Yellow Creek MS-AL-TN 25-NW (1986)  
 Yorkville 428-SE (1980)  
 Youngville 306-SE (1980)  
 Yuma 10-SE (1986)

Zionville NC-TN 220-SW (1959)

## SCALE: 1:62,500

(1 inch = 1 mile): Size approximately 17x21 inches. Contour interval variable. Out of Print

## SCALE: 1:100,000

(1 centimeter = 1 kilometer): Size approximately 24x44 inches. Contour interval variable, shown in meters. Each \$6.00

Asheville, NC-TN (1985)  
 Blytheville, AR-TN-MO (1986)  
 Boone, NC-TN (1985)  
 Bowling Green, KY-TN (1985)  
 Bristol, VA-TN-KY (1981)  
 Chattanooga, TN-NC (1988)  
 Chickamauga, GA-AL-TN (1981)  
 Cleveland, TN-NC (1981)  
 Cookeville, TN (1982)  
 Corbin, KY-TN (1981)  
 Corinth, KY-TN (1994)  
 Dalton, GA-TN (1981)  
 Dickson, TN (1985)  
 Dyersburg, TN-MO-KY-AR (1983)  
 Fontana Lake, NC-TN (1983)  
 Helena, AR-MS-TN (1990)  
 Hohenwald, TN (1986)  
 Holly Spring, MS-TN (1982)  
 Hopkinsville, KY-TN (1980)  
 Huntsville, AL-TN (1984)  
 Johnson City, TN-NC (1980)

Jonesboro, AR-TN-MO (1986)  
 Knoxville, TN-NC (1983)  
 Lawrenceburg, TN-AL (1985)  
 McKenzie, TN-KY (1986)  
 McMinnville, TN (1981)  
 Memphis East, TN (1986)  
 Memphis West, TN-AR (1986)  
 Middlesboro, KY-TN-VA (1977)  
 Milan, TN (1986)  
 Morristown, TN (1981)  
 Murfreesboro, TN (1985)  
 Murray, KY-TN (1986)  
 Nashville, TN (1984)  
 Oak Ridge, TN (1979)  
 Selmer, TN-AL (1986)  
 Sikeston, MO-KY-TN-IL (1985)  
 Tompkinsville, KY-TN (1985)  
 Tullahoma, TN (1981)  
 Tuscumbia, AL-TN (1986)  
 Watts Bar Lake, TN (1981)  
 Wytheville, VA-NC-TN (1982)

## SCALE: 1:250,000

(1 inch = 4 miles). Size approximately 24x34 inches. Contour interval 100 feet. Covers one degree of latitude and two degrees of longitude. Modern base maps (prepared in 1953-57) of small scale, covering large area. Each \$4.25

Blytheville (35°-36° lat.; 88°-90° long.) (1970)  
 Chattanooga (35°-36° lat.; 84°-86° long.) (1972)  
 Columbia (35°-36° lat.; 86°-88° long.) (1978)  
 Corbin (36°-37° lat.; 84°-86° long.) (1965)  
 Dyersburg (36°-37° lat.; 88°-90° long.) (1970)  
 Gadsden (34°-35° lat.; 86°-88° long.) (1977)  
 Helena (34°-35° lat.; 90°-92° long.) (1977)  
 Johnson City (36°-37° lat.; 82°-84° long.) (1966)  
 Knoxville (35°-36° lat.; 82°-84° long.) (1972)  
 Memphis (35°-36° lat.; 90°-92° long.) (1978)  
 Nashville (36°-37° lat.; 86°-88° long.) (1969)  
 Rome (34°-35° lat.; 84°-86° long.) (1972)  
 Tupelo (34°-35° lat.; 88°-90° long.) (1970)  
 Winston-Salem (36°-37° lat.; 80°-82° long.) (1962)

## BASE MAPS OF TENNESSEE

WEST TENNESSEE. Shows county boundaries, towns, drainage, and roads. Blackline print (1953), size approximately 33x37 inches. Scale 1 inch = 4 miles. Out of Print

MIDDLE TENNESSEE. Similar to West Tennessee Base Map. Blackline print (1953), size approximately 33x53 inches. Scale 1 inch = 4 miles. Out of Print

EAST TENNESSEE. Similar to West Tennessee Base Map. Blackline print (1953), size approximately 33x53 inches. Scale 1 inch = 4 miles. Out of Print

- (1) Blackline map, prepared by the U.S. Department of Commerce, Bureau of the Census, 1950, shows minor civil districts in Tennessee. Size 24-1/2 x 50 inches. Scale 1 inch = 12 miles..... Out of Print
- (2) Printed base map published by the U.S. Geological Survey (1973), showing state and county boundaries, locations of all towns and smaller settlements, railroads, and water features (in blue). Scale 1 inch = 8 miles. Size 19x65-1/2 inches. .... Out of Print
- (3) Printed black-and-white reduction of map (2) by U.S. Geological Survey (1973). Scale 1 inch = 16 miles. Size 11x35 inches .....\$2.50
- (4) Colored topographic map published by the U.S. Geological Survey (1973), showing state and county boundaries, locations of all towns, railroads, highways and contours. National forest and parks shown in different color patterns. Scale 1 inch = 8 miles. Contour interval, 200 feet. Size 19x65.5 inches .....\$6.00
- (5) Same as map (2) but also shows state and federal highways (1973).....\$6.00
- (6) Base culture in gray, drainage in blue. Scale 1 inch = 16 miles..... Out of Print

### Special Areas

- DUCKTOWN MINING DISTRICT (1907). Scale 1:36,000 (1 inch = 3,000 feet). Size 16-1/2X20 inches. Contour interval 20 feet. .... Out of Print
- GREAT SMOKY MOUNTAINS NATIONAL PARK, NORTH CAROLINA-TENNESSEE (edition 1934; reprinted 1947). Two sheets, east half and west half, each 28x32 inches. Scale 1:62,500 (1 inch = 1 mile). Contour interval 50 feet..... Out of Print
- GREAT SMOKY MOUNTAINS NATIONAL PARK AND VICINITY, NORTH CAROLINA-TENNESSEE (1949). Size 28x38 inches. Scale 1:125,000 (1 inch = 2 miles). Contour interval 100 feet. Text printed on reverse side of map discusses geology, history, and other information of interest..... Out of Print

## COUNTY BASE MAPS

County highway maps are no longer available from the Tennessee Division of Geology; may be purchased from:

Tennessee Department of Transportation  
Planning Division, Map Sales  
Suite 300, James K. Polk Bldg.  
Nashville, Tennessee 37243-0345  
(615) 741-2195

## PROPERTY LINE MAPS

All 7.5-minute property line quadrangle maps formerly sold by this office are out of print. Up-to-date maps may be obtained from:

Comptroller of the Treasury  
Division of Property Assessment  
505 Deaderick Street, Suite 1700  
Nashville, Tennessee 37243-0277  
(615) 401-7728

Scale: Rural Maps, 1 inch = 400 feet  
City Maps, 1 inch = 100 feet  
Size 24" x 36"

## MINERAL RESOURCES MAPS

- MINERAL RESOURCES AND MINERAL INDUSTRIES OF TENNESSEE, by William D. Hardeman and Robert A. Miller (1959). Printed in color, on a scale of 1:500,000 (1 inch = 8 miles). Descriptive text printed below map discusses the general geographic location of each commodity and gives information on production, value, and uses. Size approximately 42x66 inches..... Out of Print
- MINERAL RESOURCES OF THE TENNESSEE VALLEY REGION (published by the Tennessee Valley Authority (1970). Scale 1 inch = 10 miles. .... Out of Print

## MISCELLANEOUS CHARTS

- Chart 1. Ground Water Investigations-SUBSURFACE GEOLOGIC CROSS SECTION FROM CLAYBROOK, MADISON COUNTY TO MEMPHIS, SHELBY COUNTY, TENNESSEE, by Robert Schneider and R.R. Blankenship (1950). .... Out of Print
- Chart 2. Coal Investigations-RESULTS OF EXPLORATORY DRILLING, SOUTHERN TENNESSEE COAL FIELD, size 36x48 inches, compiled by Edward T. Luther and John W. Jewell (1952). The chart contains the results of a core-drilling project conducted on the Southern Cumberland Plateau as a part of a coal investigations program. Graphic logs of holes drilled in Marion, Hamilton, Sequatchie, Bledsoe, and Rhea Counties are presented. Proximate and ultimate analyses are given for all coal seams encountered that were 18 inches or more in thickness .....\$1.50

- Chart 3. Coal Investigations-RESULTS OF EXPLORATORY DRILLING, MONTEREY COAL FIELD, TENNESSEE, size 36x48 inches, compiled by John W. Jewell and Edward T. Luther (1952). Similar to Chart 2 but concerned with the vicinity of the Monterey coal basin. Graphic logs of 18 holes core-drilled in Cumberland County, one in Putnam County, and one in Fentress County are presented. Proximate and ultimate analyses are given for all coal seams encountered that were 18 inches or more in thickness .....\$1.50

Chart 4. Not published.

- Chart 5. Ground-Water Investigations-STRUCTURE CONTOUR MAP ON TOP OF THE KNOX DOLOMITE IN MIDDLE TENNESSEE, size 19x26 inches, by Roy Newcome, Jr. (1954). Contour interval 100 feet. Prepared in cooperation with the U.S. Geological Survey ..... Out of Print

## PHYSIOGRAPHIC MAPS OF TENNESSEE

- Relief features, as valleys and mountains, shown by brown shading; no contours. (Edition of 1927; reprinted in 1936). Scale 1 inch = 8 miles; size 22 x 64 inches (printed)..... Out of Print
- Modern shaded-relief map, by the U.S. Geological Survey (1973), on a modified base showing only state and county lines, county seats, prominent topographic features (names of mountain ranges, peaks, etc.), and water features (in blue). Contour interval 200 feet. Scale 1:500,000 (1 inch = 8 miles); size 19x65-1/2 inches.....\$6.00
- PHYSIOGRAPHIC MAP OF TENNESSEE by Edgar Bingham and Walter L. Helton (1999). Large (33" x 64," scale 1:500,000, 1 inch = 8 miles) map of Tennessee showing the physiographic features of the state. The configuration of the rocks across the State is illustrated in a geologic cross section. The State is divided into the several physiographic provinces and a short description of each is included. This map is suitable for framing. ....\$3.25

## RECREATION MAPS

- TVA LAKES. A set of 14 multicolor maps of the Tennessee Valley Authority lakes, highlighting shoreline recreation facilities. .... Out of Print
- LAND BETWEEN THE LAKES. TVA maps; sheet 1, Kentucky; sheet 2, Tennessee. .... Out of Print

## COUNTY SOIL BULLETINS

Soil Bulletins may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C.; U.S. Soil Conservation Service, 690 U.S. Courthouse, Nashville, Tennessee; University of Tennessee, Agricultural Experimental Station, Knoxville, Tennessee; or from congressmen. Soil bulletins are not available from the Tennessee Division of Geology.

## AERIAL PHOTOS

For Resale:

Eastern Aerial Photograph Lab.  
Compliance and Appeals Division  
ASCS-USDA  
45 S. French Broad Avenue  
Asheville, North Carolina 28801

On Sale Only:

Agriculture Soil Conservation Service  
581 U.S. Courthouse  
Nashville, Tennessee 37203

## MISCELLANEOUS OIL AND GAS AND MINERAL TEST HOLE INFORMATION

All information regarding the following four items is now available from:

Division of Water Pollution Control, Oil & Gas Board  
6th Floor, L & C Annex  
401 Church Street  
Nashville, Tennessee 37243  
(615) 532-0166

OIL AND GAS LAWS IN TENNESSEE. Revised, 1982.

RULES AND REGULATIONS PERTAINING TO OIL AND GAS EXPLORATION, ADOPTED BY THE STATE OIL AND GAS BOARD, APRIL 11, 1968. (Revised, 1982).

RULES OF THE TENNESSEE STATE MINERAL TEST HOLE BOARD. STATEWIDE ORDER NO. 2. Adopted by the State Mineral Test Hole Board, April 29, 1976.

MINERAL TEST HOLE REGULATORY ACT.

## MINERAL COLLECTION

MINERALS FROM TENNESSEE. Consists of the following 16 mineral or rocks, each about 1 inch in size, mounted in a 6-1/4 x 9-1/2 inch cardboard box: agate, gypsum, fluorite, calcite, quartz, granite, barite, mica, sandstone, limestone, marble, unakite, galena, limonite, copper ore, and sphalerite..... None Available



## MISCELLANEOUS

DIRECTORY OF TENNESSEE GEOLOGISTS, May 1976. A listing (by alphabet, geography, and employment) of 267 geologists in Tennessee and their official stations. ....	Out of Print
CATALOGUE OF PUBLICATIONS, 2006 .....	Free
THE CITIZEN'S GUIDE TO GEOLOGIC HAZARDS (published by The American Institute of Professional Geologists (1993)).....	\$21.60

HOME BUYER'S GUIDE TO GEOLOGIC HAZARDS (1996).....	\$7.50
TENNESSEE DIRECTORY OF GEOLOGISTS AND GEOSCIENTISTS, 40 p., compiled by Richard G. Stearns, Phyllis M. Garman, Donald R. Smith, Michael L. Hoyal (1986). Lists are by alphabet, by cities, and by employers .....	\$3.50
NEW MADRID EARTHQUAKE (A Scientific Factual Field Account) .....	\$10.00

## U.S. GEOLOGICAL SURVEY MAPS AND REPORTS

The following is a list of selected U.S.G.S. publications that contain significant information on Tennessee geology. These reports are for sale by the Tennessee Division of Geology at the prices listed.

### BULLETINS

1979. BEDROCK GEOLOGY AND MINERAL RESOURCES OF THE KNOXVILLE 1ø X 2ø QUADRANGLE, TENNESSEE, NORTH CAROLINA, AND SOUTH CAROLINA, by G.R. Robinson, Jr., F.G. Lesure, J.I. Marlowe II, N.K. Foley, and S.H. Clark (1992), 73p .....	\$6.50
2005. GEOLOGY AND MINERAL RESOURCE POTENTIAL OF THE CHATTANOOGA 1ø X 2ø QUADRANGLE, TENNESSEE AND NORTH CAROLINA-A PRELIMINARY ASSESSMENT, by Sandra H. B. Clark, Gregory T. Spanski, Donald G. Hadley, and Albert H. Hofstra (1993), 35 p.....	\$6.50
2128. SUBDIVISION, SUBSURFACE STRATIGRAPHY, AND ESTIMATED AGE OF FLUVIAL-TERRACE DEPOSITS IN NORTHWESTERN TENNESSEE, by Donald T. Rodbell (1996), 24p .....	\$3.50

### COAL INVESTIGATIONS MAPS

C 39. GEOLOGY AND COAL RESOURCES OF THE PIONEER QUADRANGLE, SCOTT AND CAMPBELL COUNTIES, TENNESSEE, by K.J. Englund (1957), Lat.36°22'30" to 36°30'; Long. 84°15' to 84°22'30", scale 1:24,000 .....	\$10.00
C 40. GEOLOGY AND COAL RESOURCES OF THE IVYDELL QUADRANGLE, CAMPBELL COUNTY, TENNESSEE, by K.J. Englund (1958), Lat. 36°22'30" to 36°30'; Long 84°07'30" to 84°15', scale 1:24,000.....	\$10.00

### GEOLOGIC QUADRANGLE MAPS

Colored geologic maps printed on a topographic base, scale 1:24,000 (1 inch = 2,000 feet). Coverage mostly in East Tennessee near Knoxville and along the Kentucky border. Quadrangles now available listed below and also shown on index map. Each quadrangle, unless otherwise indicated.....

Adairville (1966)	Jellico West (1969)
Adolphus (1964)	John Sevier (1966)
Albany (1966)	Ketchen (1966)
Allensville (1966)	Knoxville (1958)
Athens (\$10.00) (1952)(XC)	Linville (1:62,500), NC-TN (1965)
Bearden (1960)	Maryville (1962)
Blockhouse (1960)	Middlesboro South, TN-KY-VA (1964)
Coleman Gap (1962)	Niota (1952)
Dot (1966)	Oak Grove (1966)
Fountain City (1966)	Petroleum (1964)
Fountain Run (1963)	Prices Mill (1965)
Franklin, KY-TN (1963)	Roaring Spring (1967)
Frogue (1967)	Shooks Gap (1955)
Guthrie (1966)	Swan Island (1971)
Herndon (1966)	Tazewell (1965)
Hickory flat (1965)	Trenton, KY-TN (Hammacksville)(1966)
Holland (1962)	Wheeler, TN-VA (1965)
Howard Quarter (1970)	Wildwood (1960)
Jellico East (1990)	
XC Xerox Copy	

### FOLIOS OF KNOX COUNTY, TENNESSEE

I-767 A. LAND SLOPES AND URBANIZATION IN KNOX COUNTY, TENNESSEE, compiled by Leonard D. Harris(1972), Scale 1:125,000.....	\$2.00
I-767 B. GEOLOGIC MAP OF KNOX COUNTY, TENNESSEE, by United States Geological Survey(1972), Scale 1:125,000 .....	\$2.00
I-767 C. DISTRIBUTION OF SEDIMENTARY ROCKS IN KNOX COUNTY, TENNESSEE, by Leonard D. Harris(1972), Scale 1:125,000.....	\$2.00
I-767 D. STRUCTURE MAP OF KNOX COUNTY, TENNESSEE, by Leonard D. Harris(1972), Scale 1:125,000 .....	\$2.00
I-767 E. GROUND-WATER YIELD POTENTIAL IN KNOX COUNTY, TENNESSEE, by William M. McMaster(1973), Scale 1:125,000 .....	\$2.00
I-767 F. AREAS WITH ABUNDANT SINKHOLES IN KNOX COUNTY, TENNESSEE, by Leonard D. Harris(1973), Scale 1:125,000 .....	\$2.00
I-767 G. BASINS DRAINED BY SINKHOLES IN KNOX COUNTY, TENNESSEE, by Leonard D. Harris(1973), Scale 1:125,000 .....	\$2.00
I-767-H. SOIL ASSOCIATION MAP OF KNOX COUNTY, TENNESSEE, by United States Geological Survey(1972), Scale 1:125,000 .....	\$2.00
I-767 I. PHYSICAL CHARACTERISTICS OF SOILS IN KNOX COUNTY, TENNESSEE, by Leonard D. Harris(1972), Scale 1:125,000 .....	\$2.00
I-767 J. OVERBURDEN RELATED TO TYPE OF BEDROCK AND ENGINEERING CHARACTERISTICS OF THE BEDROCK, KNOX COUNTY, TENNESSEE, by Leonard D. Harris and John M. Kellberg(1972), Scale 1:125,000 .....	\$2.00
I-767 K. ENGINEERING CHARACTERISTICS OF OVERBURDEN IN KNOX COUNTY, TENNESSEE, by Leonard D. Harris and John M. Kellberg(1972), Scale 1:125,000 .....	\$2.00
I-767 N. MINERAL RESOURCES OF KNOX COUNTY, TENNESSEE, by Leonard D. Harris and Robert A. Laurence(1974), Scale 1:125,000.....	\$2.00

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